

# **Sustainable Sunnyvale Where We Are / Where We're Going**

**REV DRAFT**

## **TRANSPORTATION Lead: Department of Public Works**

**Goal:** Attain a transportation system that is effective, safe, pleasant and convenient.  
(Policy 1.0.1, Goal C3)

### **Current Services & Practices**

#### Transportation and Traffic Services Program

- Traffic Signal Operations and Maintenance – optimize signal efficiency to minimize congestion, improve air quality, reduce energy consumption
- Transportation System Safety and Design – increase and enhance multimodal facilities
- School Traffic Coordination – encourage transportation demand management, minimize congestion
- Transportation Impacts of Land Development – assure multimodal facilities are provided
- Bicycles and Pedestrians – maximize the provision of bike and ped facilities, encourage bicycling and walking
- Capital Improvements – improvements to system efficiency, provision of multimodal facilities
- Long Range Planning – transportation and land use coordination to minimize trip lengths, planning for more efficient and greener transportation modes
- Employee Transportation Coordination – communicate opportunities to use alternative modes of transportation to commute to work

#### Capital Projects

- Safe Routes to School installations of lighted crosswalks, radar speed feedback signs
- Borregas Avenue Bicycle Corridor
- Mary Avenue/Route 280 Bicycle Footbridge
- Frances Street Transit Center
- Sunnyvale Multimodal Station bike parking
- Tasman/Fair Oaks Area streetscape pedestrian improvements
- Radar speed signs at various locations
- LED Internally Illuminated Street Name Signs Pilot Project

#### Practices

- Tuning of traffic signal detection with a bicycle to allow bicycle detection
- Monitor and test new/innovative traffic control equipment that saves energy, recycles goods, etc.
- Utilize remote communication with traffic signals to minimize field visits

### **Services / Policies/Projects in Development**

- Reconfiguration Guidelines for Retrofitting Streets with Bike Lanes
- Pedestrian Safety and Opportunities Study
- Downtown Parking Information System
- Completion of a comprehensive sidewalk system in industrial areas
- Mary Avenue, Java Drive, Aster Avenue bike lanes
- Bernardo Avenue Bicycle Undercrossing
- LED streetlight evaluation
- Land Use and Transportation Element Update - consider General Plan Amendment to place more emphasis on clean, sustainable transportation modes rather than transportation efficiency

# **Sustainable Sunnyvale**

## **Where We Are / Where We're Going**

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### **Into the Future - DRAFT**

- Best practices for review
- Potential items for Study Issue papers

### **Operations**

1. LED internally illuminated street name signs
2. LED streetlights
3. Advanced roadway operations management utilizing
  - o Automated speed and volume monitoring stations
  - o Comprehensive adaptive traffic signal control
  - o Fiberoptic communications to traffic signals
  - o Countywide integrated traffic management centers
  - o Traffic management utilizing closed circuit TV
4. Citywide countdown pedestrian signal indication installation and expanded lighted crosswalk installations to encourage walking
5. Completion of a comprehensive bicycle lane and path system
6. Completion of a comprehensive sidewalk system
7. Provision or sponsorship of Clean Air Education program in Sunnyvale schools
8. Bicycle Loaner Program for Employees

### **Policy**

1. Public Parking Demand Management (paid parking in high demand areas) STUDY ISSUE PAPER
2. Subsidy/sales tax rebate for clean air vehicle purchases from Sunnyvale dealers – STUDY ISSUE PAPER
3. Employee Transportation Demand Management Program - STUDY ISSUE PAPER
  - o Changing/Shower Facilities for Cyclists, etc.
  - o Employee Transit/Alternative Transportation Subsidies, e.g. Commuter Check, parking cashout, Ecopass
  - o Preferential Parking for Carpools
  - o On-site amenities such as services, dining, etc.
  - o Subsidized vanpools
  - o Promotional Events
  - o Guaranteed Ride Home
4. Hybrid vehicle requirement for Sunnyvale taxi service licensees
5. Ecopass for Sunnyvale residents
6. Alternative fuel vehicle fueling stations for employees, including solar charging stations –
7. Subsidies or other encouragement of sustainable fuel stations, e.g. biodiesel
8. Facilitation of local biodiesel economies, e.g. restaurant to fuel to market
9. Carbon offset purchases for staff/Council airline flights, no booking of nighttime flights
10. Use of non-transportation-intensive products for City events and operations including local, vegan food, non-corporate farmed products or overseas-produced goods, to reduce the transportation footprint of purchases
11. Use of sustainable alternative energy sources only, e.g. fuels for which production is achieved with a smaller carbon footprint than fossil fuels and no degradation of cropland (no ethanol produced using petroleum or coal, no corn based ethanol)